BIOTECHNOLOGY
SYSTEMS
BRANCH

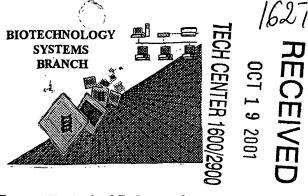# RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *09/529,962A*

 # 12

Source: *1600*

Date Processed by STIC: *10/3/2001*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:
http://www.uspto.gov/web/offices/pac/checker

1600

RAW SEQUENCE LISTING   DATE: 10/03/2001
PATENT APPLICATION: US/09/529,962A   TIME: 09:00:12

Input Set : A:\06501-058001.txt
Output Set: N:\CRF3\10032001\I529962A.raw   Does Not Comply
                                                 Corrected Diskette Needed

```
 4 <110> APPLICANT: Ota, Toshio
 5        Nishikawa, Tetsuo
 6        Salamov, Asaf
 7        Isogai, Takao
 9 <120> TITLE OF INVENTION: METHOD FOR SCREENING FULL-LENGTH cDNA
10        CLONES
12 <130> FILE REFERENCE: 06501-058001
14 <140> CURRENT APPLICATION NUMBER: 09/529,962A
15 <141> CURRENT FILING DATE: 2000-04-20
17 <150> PRIOR APPLICATION NUMBER: JP 9/289982
18 <151> PRIOR FILING DATE: 1997-10-22
20 <150> PRIOR APPLICATION NUMBER: PCT/JP98/04772
21 <151> PRIOR FILING DATE: 1998-10-21
23 <160> NUMBER OF SEQ ID NOS: 18
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

ERRORED SEQUENCES

```
189 <210> SEQ ID NO: 9        869 shown
190 <211> LENGTH: (608)
191 <212> TYPE: DNA
192 <213> ORGANISM: Homo sapiens
194 <220> FEATURE:
195 <221> NAME/KEY: misc_feature
196 <222> LOCATION: (1)..(608) (869)
197 <223> OTHER INFORMATION: n = A,T,C or G
199 <400> SEQUENCE: 9
200 atattaaact agtgaagcaa ctaagagaaa atgttaagtc tgctattgat cttgaagaga     60
201 tggcatctgg tcttaacaaa agaaaaatga ttcagcatgc tgtatttaaa gaacttgtga    120
202 agcttgtaga ccctggagtt aaggcatgga cacccactaa aggaaaacaa aatgtgatta    180
203 tgtttgttgg attgcaaggg agtggtaaaa caacaacatg ttcaaagcta gcatattatt    240
204 accagaggaa aggttggaag acctgtttaa tatgtgcaga cacattcaga gcagggctt     300
205 ttgaccaact aaaacagaat gctaccaaag caagaattcc attttatgga agctatacag    360
206 aaatggatcc tgtcatcatt gcttctgaag gagtagagaa atttaaaaat gaaaattttg    420
207 aaattattat tgttgataca agtggccgcc acaaacaaga agactctttg tttgaagaaa    480
208 tgcttcaagt tgctaatgct atacaacctg ataacattgt ttatgtgatg gatgcctcca    540
209 ttgggcaggc ttgtgaagcc caggctaagg cttttaaaga taaagtagat gtacctcagt    600
W--> 210 aatagtgaca aaacttgatg gccatgcaaa angaagtggt gcactcagtg cagtcgctgc    660
W--> 211 cacaaaaaat ccgattattt tcattggtac aggggaaca tatanatgac tttgaacctt    720
W--> 212 tcaaaaacac agcctttat taacaaactt cttggtatng gcgacattga aaggactgat    780
W--> 213 aaataaagtc cacnaattga aatttggatg acnatgnaaa cccttattga aaaaattgaa    840
E--> 214 acatngtcca gttttacttt gcgaaacnt                                      869
```

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

FYI

VERIFICATION SUMMARY   DATE: 10/03/2001
PATENT APPLICATION: US/09/529,962A   TIME: 09:00:13

Input Set : A:\06501-058001.txt
Output Set: N:\CRF3\10032001\I529962A.raw

```
L:62  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:83  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:84  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:85  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:86  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:87  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:88  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:89  M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4
L:102 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:104 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:106 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:108 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:109 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:110 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:112 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:5
L:133 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:134 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:135 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:136 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:137 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:138 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6
L:161 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:162 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:163 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7
L:178 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:180 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:181 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:182 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:183 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:185 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:186 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8
L:210 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:212 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:213 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:214 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9
L:214 M:252 E: No. of Seq. differs, <211>LENGTH:Input:608 Found:869 SEQ:9
L:239 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:240 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10
L:261 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:263 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11
L:280 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:283 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:284 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12
L:306 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
L:307 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/529,962A

DATE: 10/03/2001
TIME: 09:00:13

Input Set : **A:\06501-058001.txt**
Output Set: **N:\CRF3\10032001\I529962A.raw**

```
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:326 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
L:327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14
```